

Comparisons of Job Characteristics

Focus Occupation: [Hazardous Materials Removal Workers \(47-4041\)](#)

Associated Occupation: [Environmental Science and Protection Technicians, Including Health \(19-4091\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 52

Focus Occupation: Hazardous Materials Removal Workers (47-4041)

Associated Occupation: Environmental Science and Protection Technicians, Including Health (19-4091)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Computers and Electronics	8.4	13.6	5.2	<< Extensive education and/or training may be required
Chemistry	4.8	13.2	14.6	> Current knowledge level is likely sufficient
Biology	3.7	11.4	1.2	<< Extensive education and/or training may be required
Public Safety and Security	6.9	11.1	9.1	< Expanded education and/or training may be required
Physics	4.3	9.9	6.9	<< Extensive education and/or training may be required
Law and Government	5.9	9.8	3.6	<< Extensive education and/or training may be required
Geography	3.9	9.7	1.6	<< Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 69

Focus Occupation: Hazardous Materials Removal Workers (47-4041)

Associated Occupation: Environmental Science and Protection Technicians, Including Health (19-4091)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Science	4.5	10.3	4.3	<< Extensive development of skills in this area may be required
Mathematics	6.2	9.2	6.0	<< Extensive development of skills in this area may be required

Operations Analysis	5.0	7.9	2.6	<<	Extensive development of skills in this area may be required
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The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 82			
Focus Occupation: Hazardous Materials Removal Workers (47-4041) Associated Occupation: Environmental Science and Protection Technicians, Including Health (19-4091)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Written Expression	9.8	12.9	10.1	<	Some improvement in abilities may be required
Near Vision	11.1	12.8	10.6	<	Some improvement in abilities may be required
Mathematical Reasoning	6.3	9.1	5.9	<<	Extensive improvement in abilities may be required
Number Facility	6.3	9.0	6.8	<<	Extensive improvement in abilities may be required
Rate Control	3.8	6.7	8.2	>	Current ability level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 58
Focus Occupation: Hazardous Materials Removal Workers (47-4041) Associated Occupation: Environmental Science and Protection Technicians, Including Health (19-4091)		
Work Activities	Exclusivity of Activity	
Adhere to safety procedures	12	
Follow safe waste disposal procedures	50	
Maintain records, reports, or files	5	
Prepare reports	8	
Use government regulations	44	

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 83
Focus Occupation: Hazardous Materials Removal Workers (47-4041) Associated Occupation: Environmental Science and Protection Technicians, Including Health (19-4091)		

Tools and Technologies	Exclusivity
Chemical evaluation instruments and supplies	10
Computer data input devices	2
Computers	1
Content authoring and editing software	1
Data management and query software	1
Electrochemical measuring instruments and accessories	9
Gas analyzers and monitors	10
Humidity and moisture measuring instruments	15
Network applications software	1
Pumps	9
Sampling equipment	12
Soil measuring equipment	20
Spectroscopic equipment	10
Viewing and observing instruments and accessories	4

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.